

mission for attending to Observations on the Transit of Venus; Engineer and War Departments, Washington.

The Committee to which was referred the cost of publishing the illustrations to Dr. Allen's Memoir, reported that it would cost \$400. On motion an appropriation of \$400 was ordered for that purpose.

Prof. Chase communicated two brief notes entitled—

1. On Rainfall in cyclonic years of Jupiter, at Greenwich, Philadelphia, Lisbon, San Francisco and Barbadoes.

2. On the Lunar Cyclical Rainfall at Barbadoes, for 27 years.

Pending nominations Nos. 753, 754, 755, 756 were read, and the Society was adjourned.

Stated Meeting, July 17th, 1874.

Present, 8 members.

Vice-President, FREDERICK FRALEY, in the Chair.

A letter from Dr. DaCosta, requesting the completion of his set of the Proceedings was read, and referred to the Committee on Publication, with power to take order.

Donations for the Library were received from the Royal Society of Tasmania; the Imperial Russian Academy, the Central Physical Observatory, the Natural History Society, at Riga; the Imperial Academy, Geological Institute, and Zoologico - Botanical Society, at Vienna; the Imperial Academy, German Geological Society, and Physical Society, at Berlin; the Societies at Bremen, Frankfort and Offenbach, the Hague, Lausanne and Bordeaux; the Musée Teyler; the Royal Academy, at Bruxell; the Academy of Medicine, Ecole des Mines, National Society of Antiquaries, and Revue Politique, at Paris; Mr. H. S. Munroe, of Yeddo; the Geographical Society of Mexico; the Royal Astronomical Society, Meteorological Committee, and Nature, in London; the Victoria Institute; the Philosophical and Literary So-

ciety, at Leeds; Boston Society of Natural History; Yale College, Peabody Museum, Silliman's Journal; the New Jersey Historical Society; the Penn Monthly, American Chemist, Journal of Pharmacy, and Franklin Institute, in Philadelphia; Peabody Institute, in Baltimore; War Department, Washington, and the Buffalo Society of Natural Sciences.

The death of Dr. Gouverneur Emerson, July 2, aged 78 was announced by Dr. Ruschenberger.

Dr. Genth read a communication in answer to criticisms by Dr. Hunt upon his paper upon Corundum, published in the Proceedings of the Society.

Dr. Charles M. Cresson communicated the results of an examination of an exploded locomotive boiler, with detailed accounts of experiments in reference to the causes of explosion.

Prof. Fraser communicated a note on certain formulæ of minerals, with reference to the question whether separate chemical compounds can co-exist in the same crystallized mineral.

Pending nominations, Nos. 753, 754, 755, 756, 757, 758 were read, and Nos. 753, 754 and 756 balloted for, and the following named persons were declared by the presiding officer duly elected members of the Society, viz.:

Sir Wm. George Armstrong, of Newcastle-on-Tyne.

Mr. Franklin Platt, of Philadelphia.

Mr. Henry Woodward, F.G.S., of London.

And the meeting was adjourned.

Stated Meeting, August 21st, 1874.

Present, 3 members.

Vice-President, MR. FRALEY, in the chair.

Dr. Genth presented a paper for publication in the Proceedings, entitled:—"Contributions from the Laboratory of